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### 1 [A Co-Plot analysis of logs and models of parallel workloads](#)



David Talby, Dror G. Feitelson, Adi Raveh

July 2007 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 17 Issue 3

Publisher: ACM Press

Full text available: [pdf\(663.66 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a multivariate analysis technique called Co-Plot that is especially suitable for few samples of many variables. Co-Plot embeds the multidimensional samples in two dimensions, in a way that allows key variables to be identified, and relations between both variables and observations to be analyzed together. When applied to the workloads on parallel supercomputers, we find two stable perpendicular axes of highly correlated variables, one representing individual job attributes and the ...

**Keywords:** Co-plot, load manipulation, multivariate analysis, nonstationary workload, parallel workloads, parametric model, synthetic workload, workload modeling

### 2 [Analysis of enterprise media server workloads: access patterns, locality, content evolution, and rates of change](#)

Ludmila Cherkasova, Minaxi Gupta

October 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 5

Publisher: IEEE Press

Full text available: [pdf\(574.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Understanding the nature of media server workloads is crucial to properly designing and provisioning current and future media services. The main issue we address in this paper is the workload analysis of today's enterprise media servers. This analysis aims to establish a set of properties specific to the enterprise media server workloads and to compare them to well-known related observations about the web server workloads. We partition the media workload properties in two groups: static and t ...

**Keywords:** access patterns, content evolution, dynamics, enterprise media servers, locality, sharing patterns, static and temporal properties, workload analysis

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## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

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 Cherkasova, L.; Minaxi Gupta;  
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